



2013 Heritage Tree Report

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Review Department



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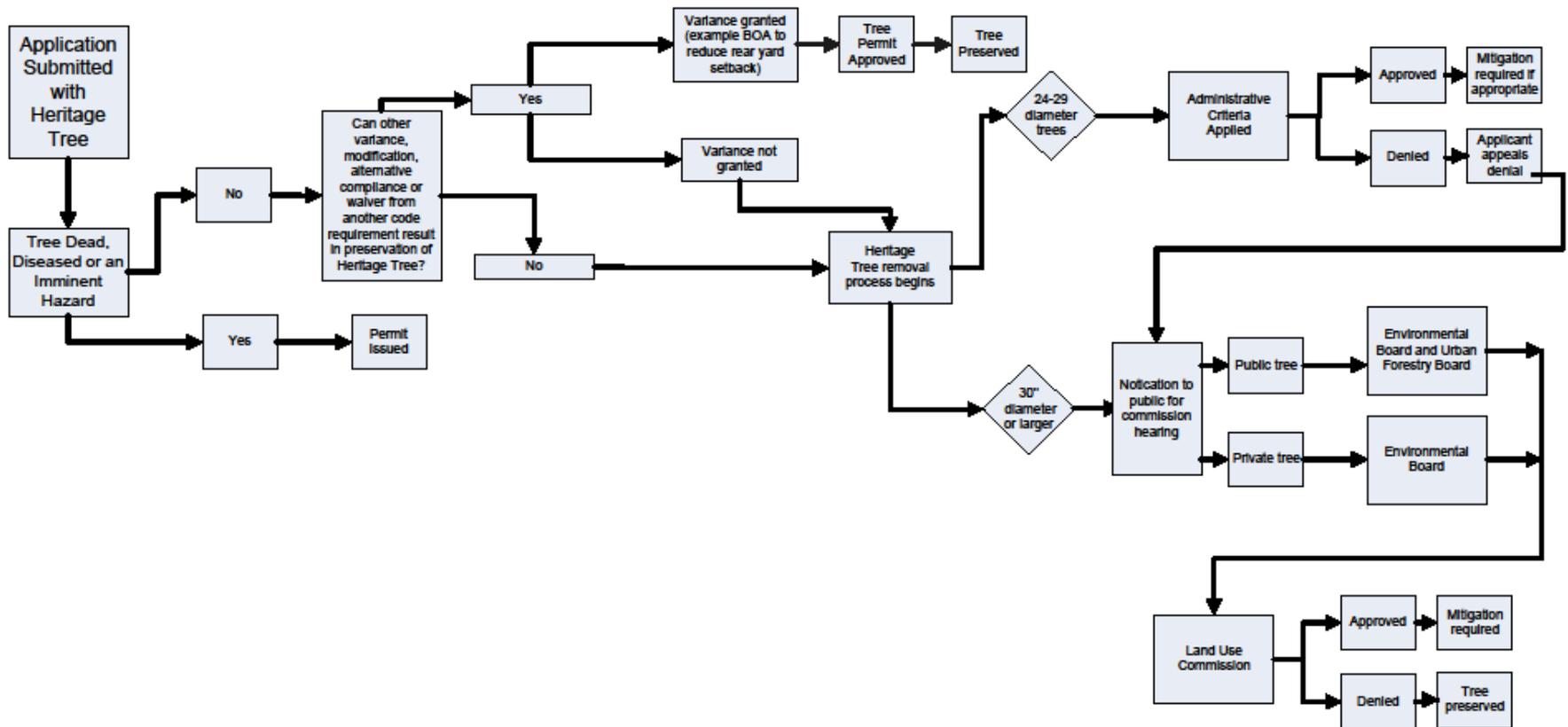
Tree Preservation and Replenishment

Overview of Presentation

- Review Process
- 2013 Heritage Tree Review
 - - Site Plan and Subdivision Permits
 - - Heritage Tree Permits
 - - Dead, Diseased, or Hazard Permits
- Data Visualization (Maps and Charts)
- The Big Picture
- Urban Forest Challenges



Heritage Tree Process – Env Board

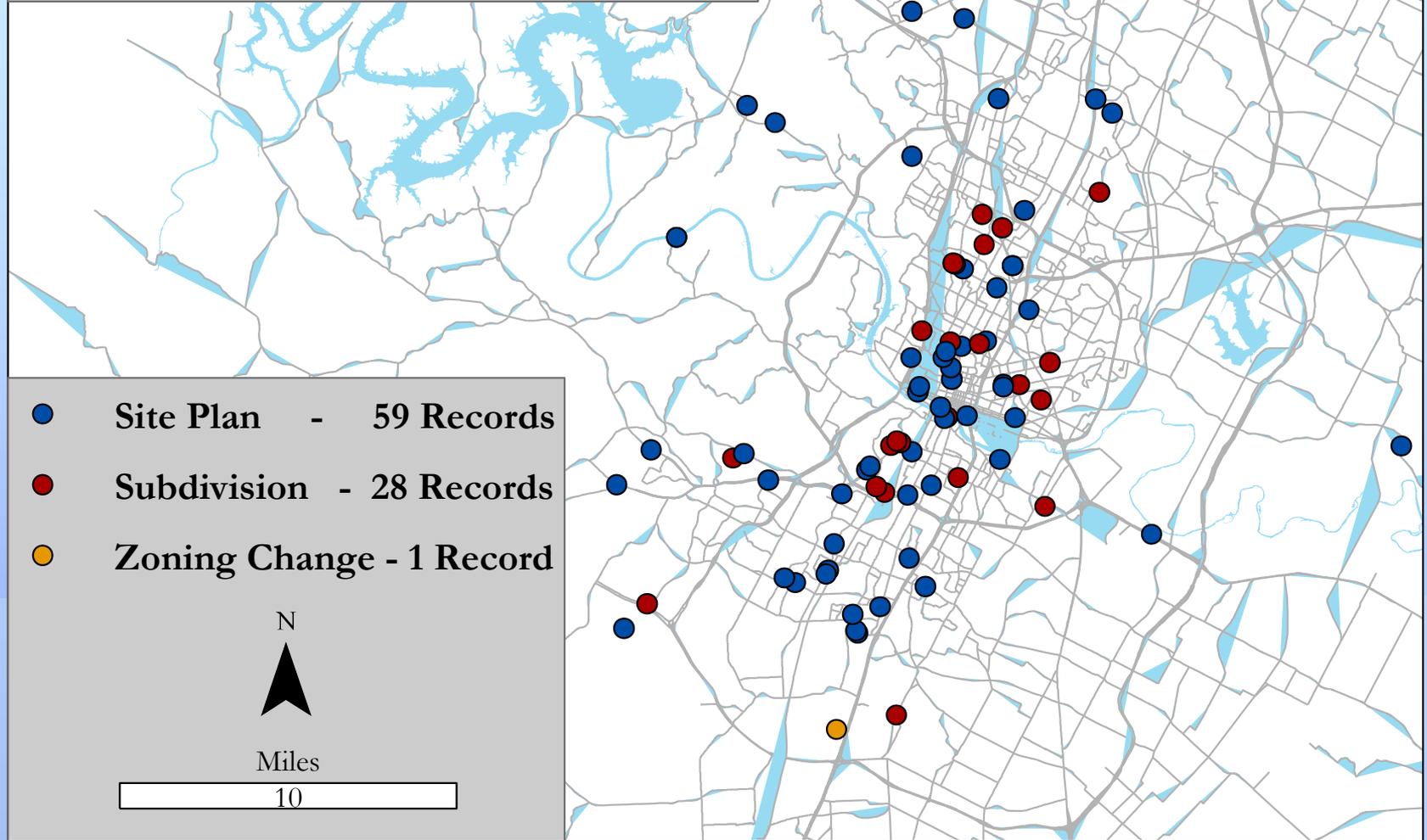


Site Plan and Subdivision Review for Heritage Trees

- Reviewed ~90 site plans and subdivisions
- ~10,200 inches of heritage trees surveyed on approved site plans
- ~9,720 inches of heritage trees preserved
- ~480 inches removed (95% preservation)
- ~620 inches replaced



Location of Development Plans Reviewed and Approved in 2013 for Heritage Trees



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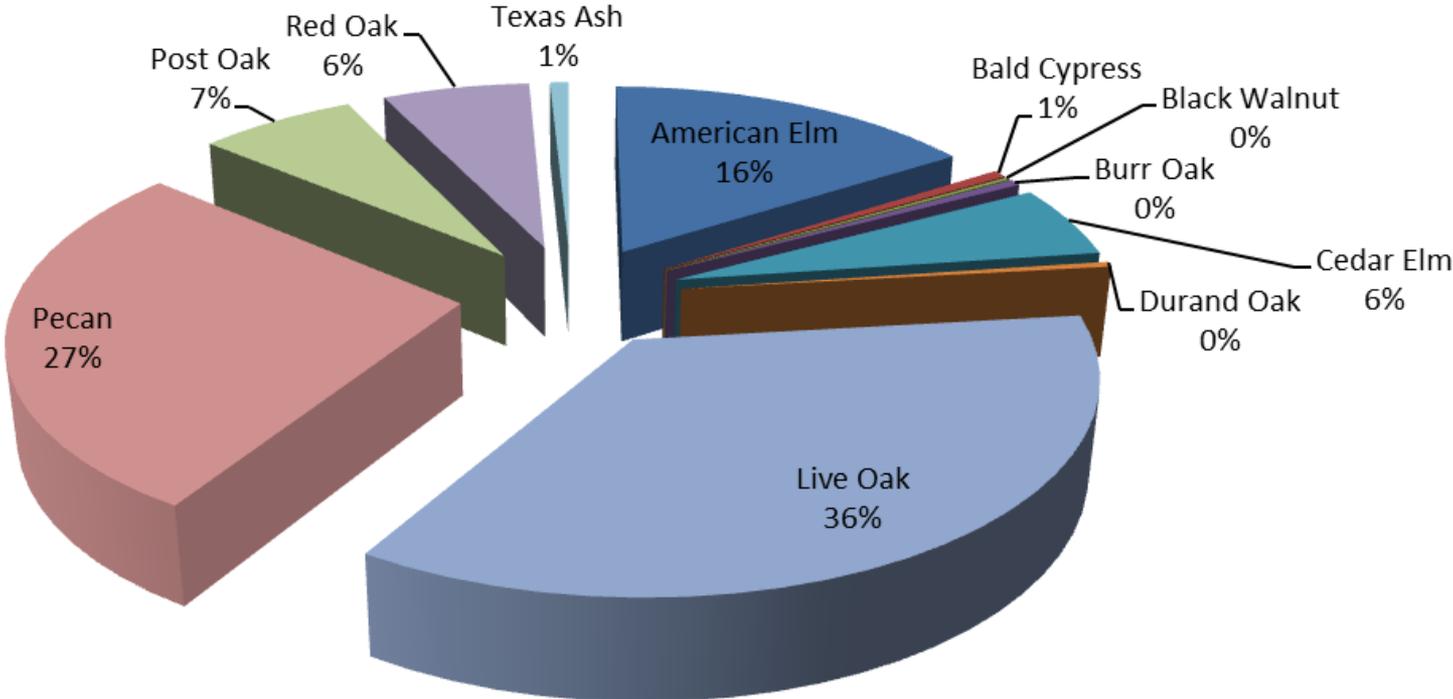
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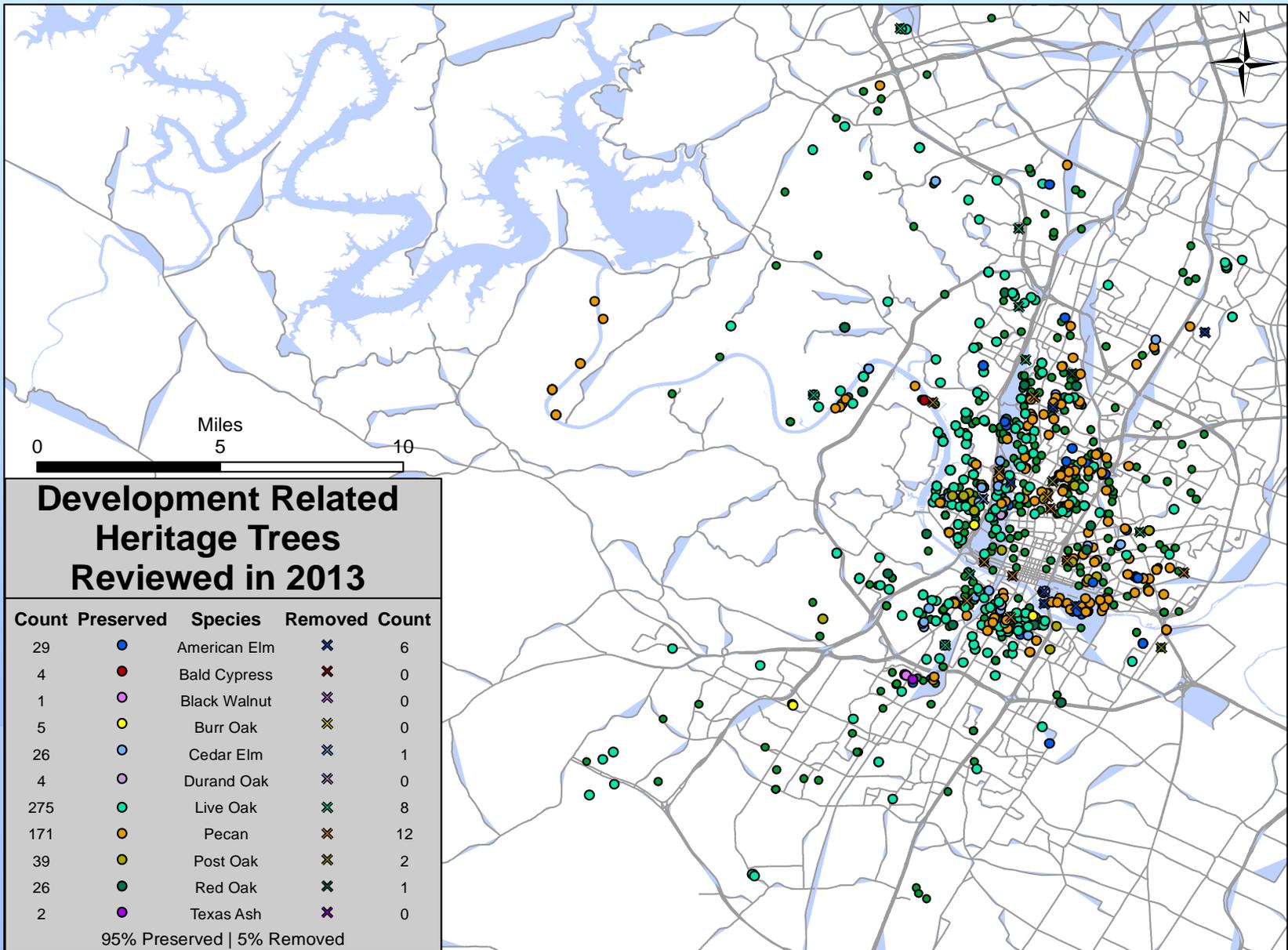
2013 Heritage Tree Permits

- ~1,000 heritage trees were reviewed on tree permits in 2013
- Over 30,000 inches of trees reviewed
- 3% of heritage trees allowed to be removed (~30 of ~1000 heritage trees)



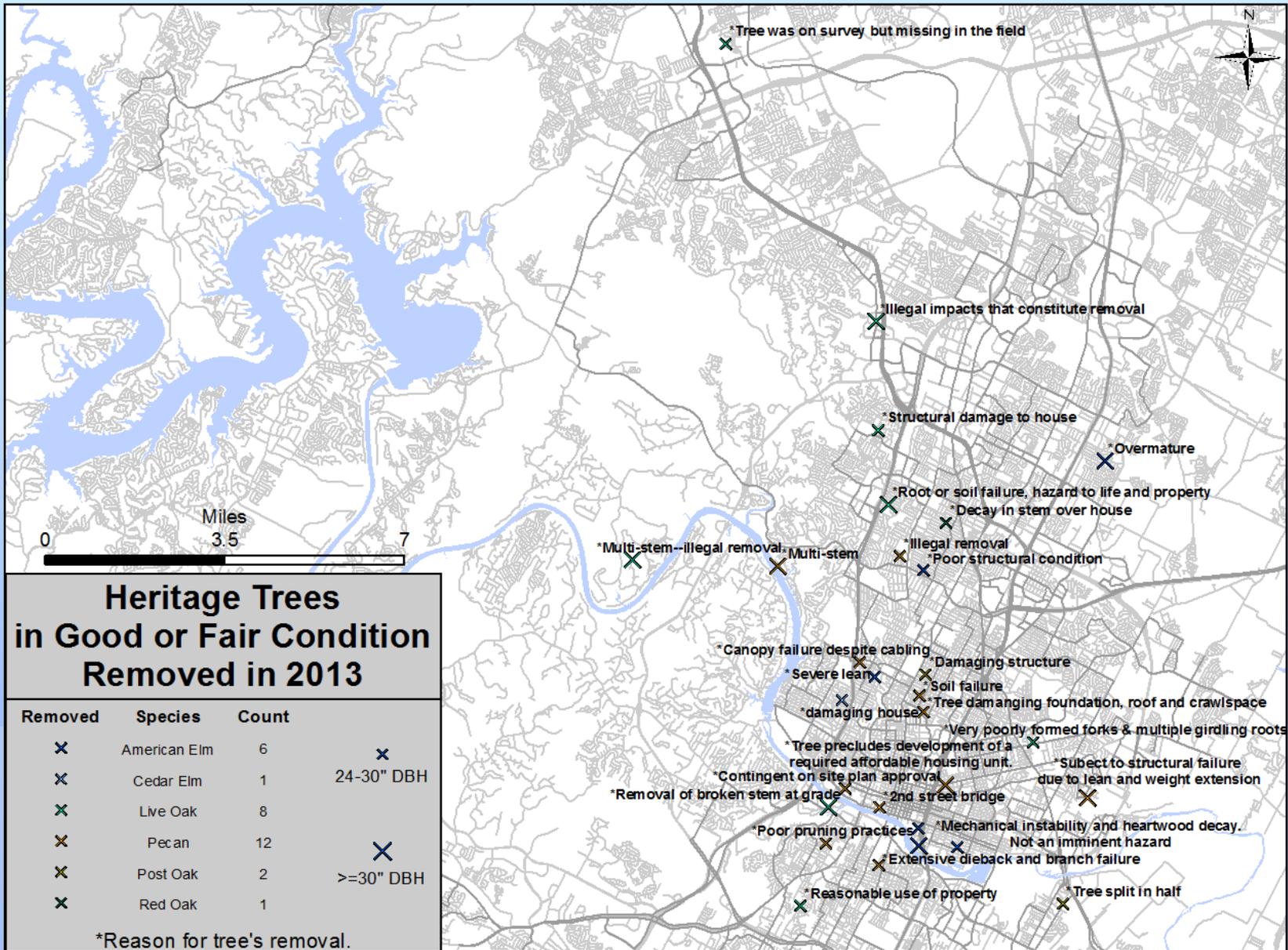
Heritage Trees by Species Reviewed on Tree Permits in 2013





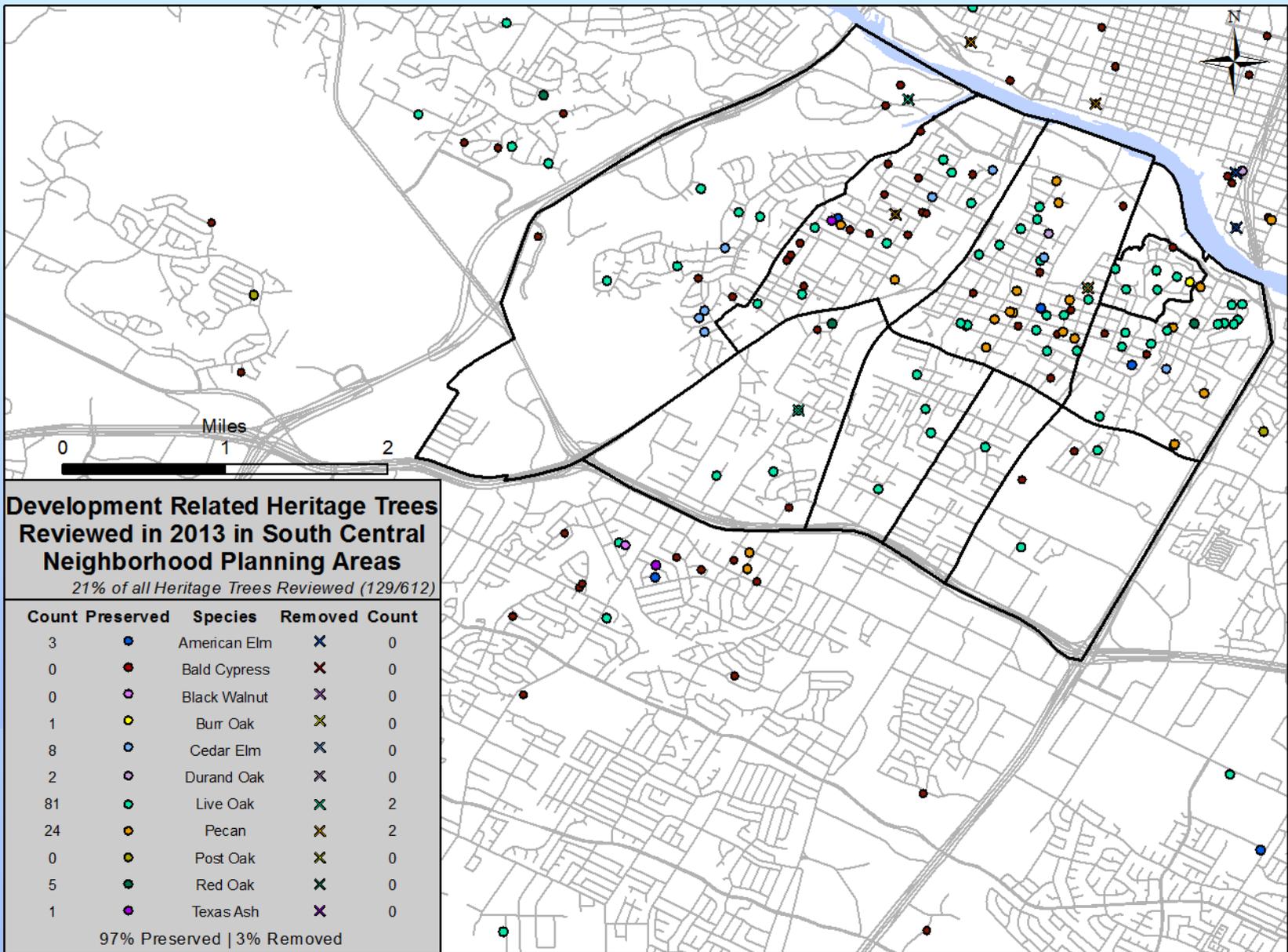
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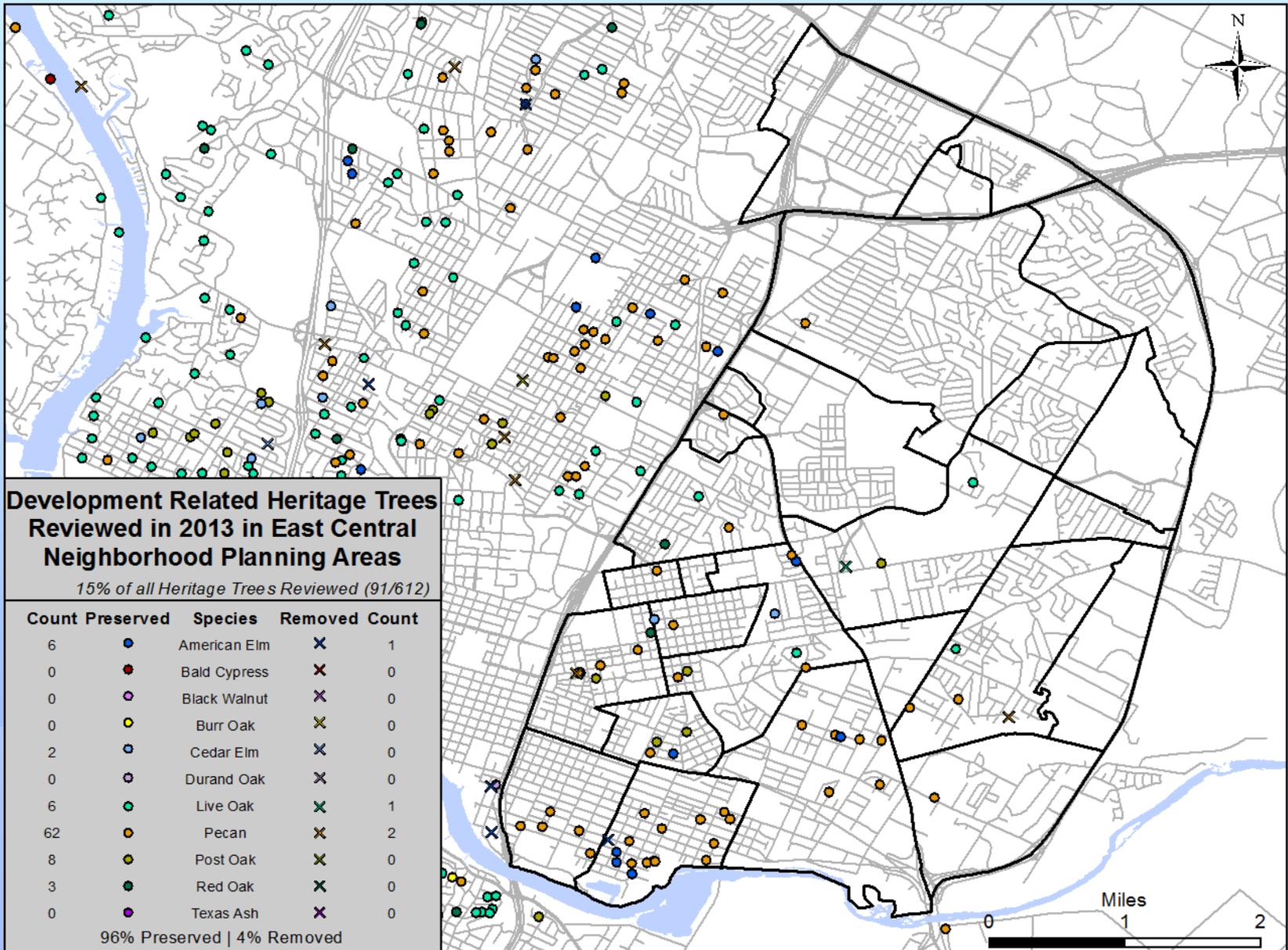
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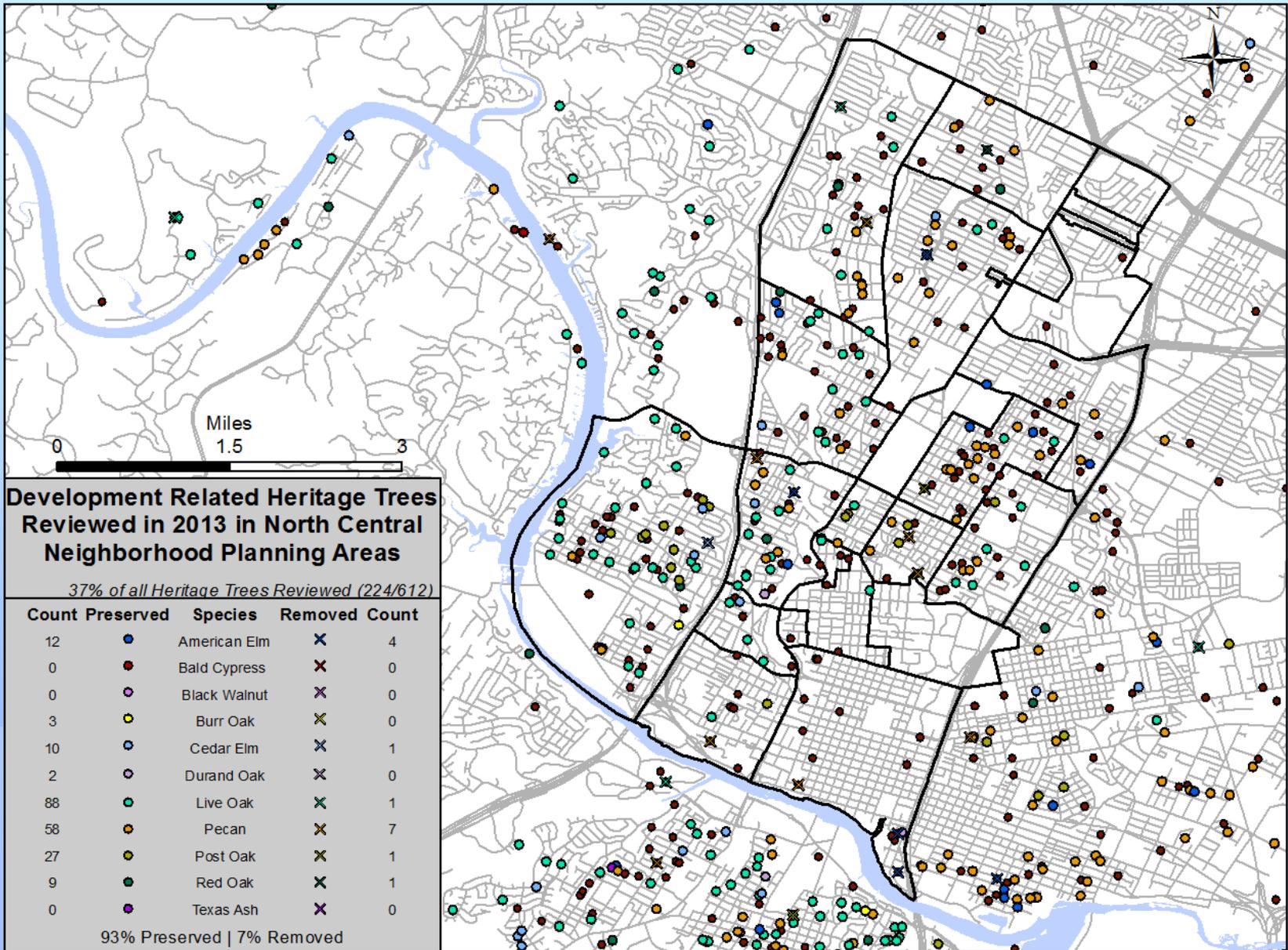
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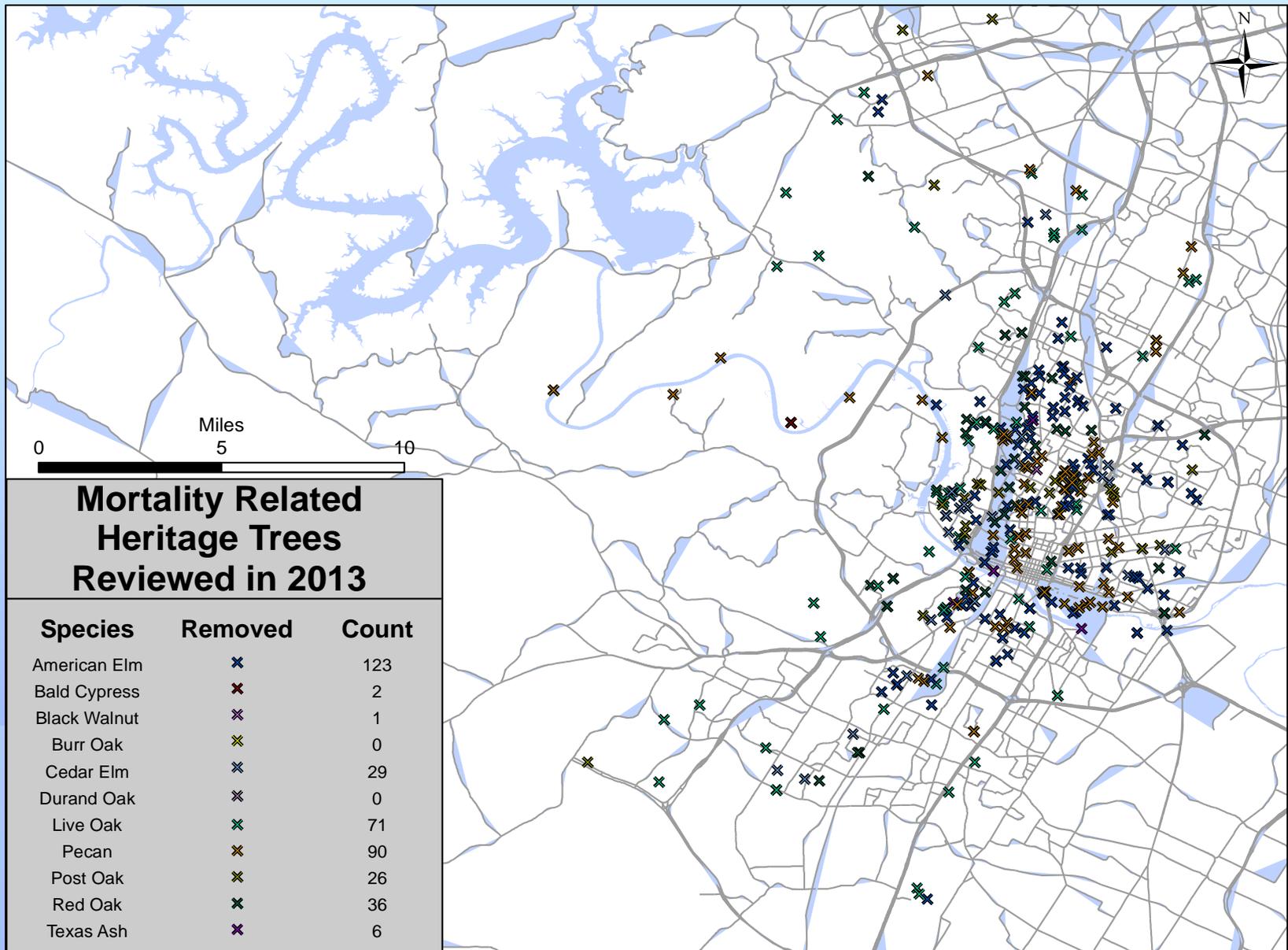
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Tree Condition Permits

- ~380 dead, diseased, or imminent hazard heritage trees were reviewed on tree permits in 2013
- ~11,800 inches of dead, diseased, or imminent hazard trees permitted for removal





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Heritage Tree Mortality on Tree Permits

<u>Species</u>	<u>Count</u>	<u>Dead, Diseased, or hazardous?</u>	<u>2013 % mortality</u>	<u>2012 % mortality</u>	<u>2011 %mortality</u>	<u>Δ 2011-2012</u>	<u>Δ 2012-2013</u>
American Elm	158	123	78%	86%	85%	1%	-8%
Cedar Elm	56	29	52%	47%	50%	-3%	5%
Live Oak	354	71	20%	24%	26%	-2%	-4%
Pecan	273	90	33%	40%	31%	9%	-7%
Post Oak	67	26	39%	50%	38%	12%	-11%
Red Oak	63	36	57%	71%	71%	0%	-14%



Big Picture

- The ordinance is working (>95% preservation rate of heritage trees)
- American Forest selects Austin as top 10 Urban Forest in country
- 4th year as fastest growing city in country while protecting the urban forest
- Is permit data reflective of the state of our urban forest?



Urban Forest Challenges

- Drought mortality
- Protection of tree species less than 19”
- Quality of planting stock
- Development pressures
- Water resources
- Quantifying ecosystem services



Questions?

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